Special Member Functions in Modern C++ Exercises

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Move operators

- Modern C++ has two special member functions which are not present in traditional C++
- Describe them briefly

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Synthesized move operators

- In what circumstances will the compiler synthesize the move operators?
- How are these synthesized move operators implemented?

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Synthesized copy operators in Modern C++

- If a class implements move operators but not copy operators, will the compiler synthesize the copy operators?

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Rule of Five

- What is the "Rule of Five"?

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Special Functions synthesized as deleted

- In what circumstances will the compiler synthesize the default constructor and copy operators as "deleted"?

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Move-only class

- Implement a simple move-only class
- Write a program to test your class. Verify that it cannot be copied

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